

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10559-0310US1	Application No. 10/070,091
Information Disclosure Statement by Applicant (Use several sheets if necessary)		Applicant Gilbert Wolrich et al.	
		Filing Date June 28, 2002	Group Art Unit 2183

(37 CFR §1.98(b))

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
/E.C./	A1	2002/0038403	03/2002	Wolrich et al.			
/E.C./	A2	2007/0234009	10/2007	Wolrich et al.			
/E.C./	A3	3,577,189	05/1971	Cocke et al.			
/E.C./	A4	3,881,173	04/1975	Larsen et al.			
/E.C./	A5	4,454,595	06/1984	Cage			
/E.C./	A6	4,471,426	09/1984	McDonough			
/E.C./	A7	4,477,872	10/1984	Losq et al.			
/E.C./	A8	4,569,016	02/1986	Hao et al.			
/E.C./	A9	4,606,025	08/1986	Peters et al.			
/E.C./	A10	4,742,451	05/1988	Bruckert et al.			
/E.C./	A11	4,754,398	06/1988	Pribnow			
/E.C./	A12	4,755,966	07/1988	Lee et al.			
/E.C./	A13	4,808,988	02/1989	Burke et al.			
/E.C./	A14	4,816,913	03/1989	Harney et al.			
/E.C./	A15	4,847,755	07/1989	Morrison et al.			
/E.C./	A16	4,868,735	09/1989	Moller et al.			
/E.C./	A17	5,045,995	09/1991	Levinthal et al.			
/E.C./	A18	5,056,015	10/1991	Baldwin et al.			
/E.C./	A19	5,165,025	11/1992	Lass			
/E.C./	A20	5,170,484	12/1992	Grondalski			
/E.C./	A21	5,187,800	02/1993	Sutherland			
/E.C./	A22	5,189,636	02/1993	Patti et al.			
/E.C./	A23	5,202,972	04/1993	Gusefski et al.			
/E.C./	A24	5,220,669	06/1993	Baum et al.			
/E.C./	A25	5,247,671	09/1993	Adkins et al.			
/E.C./	A26	5,274,770	12/1993	Khim Yeoh et al.			
/E.C./	A27	5,394,530	02/1995	Kitta			

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U.S. Patent Documents

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/E.C./	A28	5,428,779	06/1995	Allegrucci et al.			
/E.C./	A29	5,463,746	10/1995	Brodnax et al.			
/E.C./	A30	5,509,130	04/1996	Trauben et al.			
/E.C./	A31	5,541,920	07/1996	Angle et al.			
/E.C./	A32	5,544,337	08/1996	Beard et al.			
/E.C./	A33	5,572,690	11/1996	Molnar et al.			
/E.C./	A34	5,600,848	02/1997	Sproull et al.			
/E.C./	A35	5,610,864	03/1997	Manning			
/E.C./	A36	5,640,538	06/1997	Dyer et al.			
/E.C./	A37	5,669,012	09/1997	Shimizu et al.			
/E.C./	A38	5,680,564	10/1997	Divivier et al.			
/E.C./	A39	5,701,435	12/1997	Chi			
/E.C./	A40	5,704,054	12/1997	Bhattacharya			
/E.C./	A41	5,721,869	02/1998	Imakawa			
/E.C./	A42	5,724,563	03/1998	Hasegawa			
/E.C./	A43	5,748,950	05/1998	White et al.			
/E.C./	A44	5,787,454	07/1998	Rohlman			
/E.C./	A45	5,802,373	09/1998	Yates et al.			
/E.C./	A46	5,812,811	09/1998	Dubey et al.			
/E.C./	A47	5,815,698	09/1998	Holmann et al.			
/E.C./	A48	5,815,714	09/1998	Shridhar et al.			
/E.C./	A49	5,819,080	10/1998	Dutton et al.			
/E.C./	A50	5,822,619	10/1998	Sidwell			
/E.C./	A51	5,832,258	11/1998	Kiuchi et al.			
/E.C./	A52	5,838,975	11/1998	Abramson et al.			
/E.C./	A53	5,848,276	12/1998	King et al.			
/E.C./	A54	5,857,104	01/1999	Natarjan et al.			

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U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
/E.C./	A55	5,859,789	01/1999	Sidwell			
/E.C./	A56	5,859,790	01/1999	Sidwell			
/E.C./	A57	5,860,085	01/1999	Stormon et al.			
/E.C./	A58	5,872,963	02/1999	Bitar et al.			
/E.C./	A59	5,875,355	02/1999	Sidwell et al.			
/E.C./	A60	5,875,470	02/1999	Drcibelbis et al.			
/E.C./	A61	5,884,069	03/1999	Sidwell			
/E.C./	A62	5,898,866	04/1999	Atkins et al.			
/E.C./	A63	5,923,872	07/1999	Chrysos et al.			
/E.C./	A64	5,926,646	07/1999	Pickett et al.			
/E.C./	A65	5,928,358	07/1999	Takayama et al.			
/E.C./	A66	5,937,177	08/1999	Molnar et al.			
/E.C./	A67	5,943,491	08/1999	Sutherland et al.			
/E.C./	A68	5,944,816	08/1999	Dutton et al.			
/E.C./	A69	5,946,222	08/1999	Redford			
/E.C./	A70	5,956,514	09/1999	Wen et al.			
/E.C./	A71	5,993,627	11/1999	Anderson et al.			
/E.C./	A72	6,005,575	12/1999	Colleran et al.			
/E.C./	A73	6,052,769	04/2000	Huff et al.			
/E.C./	A74	6,061,710	05/2000	Eickemeyer et al.			
/E.C./	A75	6,061,711	05/2000	Song et al.			
/E.C./	A76	6,100,905	08/2000	Sidwell			
/E.C./	A77	6,101,599	08/2000	Wright et al.			
/E.C./	A78	6,115,777	09/2000	Zahir et al.			
/E.C./	A79	6,139,199	10/2000	Rodriguez			
/E.C./	A80	6,141,348	10/2000	Muntz			
/E.C./	A81	6,145,077	11/2000	Sidwell et al.			

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U.S. Patent Documents

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/E.C./	A82	6,145,123	11/2000	Torrey et al.			
/E.C./	A83	6,157,988	12/2000	Dowling			
/E.C./	A84	6,195,739	02/2001	Wright et al.			
/E.C./	A85	6,205,468	03/2001	Diepstraten et al.			
/E.C./	A86	6,223,208	04/2001	Kiefer et al.			
/E.C./	A87	6,223,277	04/2001	Karguth			
/E.C./	A88	6,230,119	05/2001	Mitchell			
/E.C./	A89	6,230,230	05/2001	Joy et al.			
/E.C./	A90	6,230,261	05/2001	Henry et al.			
/E.C./	A91	6,259,699	07/2001	Opalka et al.			
/E.C./	A92	6,269,391	07/2001	Gillespie			
/E.C./	A93	6,275,508	08/2001	Aggarwal et al.			
/E.C./	A94	6,279,066	08/2001	Velingker			
/E.C./	A95	6,304,956	10/2001	Tran			
/E.C./	A96	6,314,510	11/2001	Saulsbury et al.			
/E.C./	A97	6,338,133	01/2002	Schroter			
/E.C./	A98	6,378,124	04/2002	Bates et al.			
/E.C./	A99	6,378,125	04/2002	Bates et al.			
/E.C./	A100	6,385,720	05/2002	Tanaka et al.			
/E.C./	A101	6,401,155	06/2002	Saville et al.			
/E.C./	A102	6,442,669	08/2002	Wright et al.			
/E.C./	A103	6,446,190	09/2002	Barry et al.			
/E.C./	A104	6,496,847	12/2002	Bugnion et al.			
/E.C./	A105	6,505,229	01/2003	Turner et al.			
/E.C./	A106	6,523,108	02/2003	James et al.			
/E.C./	A107	6,543,049	04/2003	Bates et al.			
/E.C./	A108	6,560,629	05/2003	Harris			

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/E.C./	A109	6,560,671	05/2003	Samra et al.			
/E.C./	A110	6,564,316	05/2003	Pcrets et al.			
/E.C./	A111	6,574,702	06/2003	Khanna et al.			
/E.C./	A112	6,697,935	02/2004	Borkenhagen et al.			
/E.C./	A113	6,718,457	04/2004	Tremblay et al.			
/E.C./	A114	6,784,889	08/2004	Radke			
/E.C./	A115	6,836,838	12/2004	Wright et al.			
/E.C./	A116	6,862,676	03/2005	Knapp et al.			
/E.C./	A117	6,934,951	08/2005	Wilkinson, III et al.			
/E.C./	A118	6,971,103	11/2005	Hokenek et al.			
/E.C./	A119	6,976,095	12/2005	Wolrich et al.			
/E.C./	A120	6,983,350	01/2006	Adiletta et al.			
/E.C./	A121	7,020,871	03/2006	Bernstein et al.			
/E.C./	A122	7,181,594	02/2007	Wilkinson, III et al.			
/E.C./	A123	7,185,224	02/2007	Fredenburg et al.			
/E.C./	A124	7,191,309	03/2007	Wolrich et al.			
/E.C./	A125	7,302,549	11/2007	Wilkinson, III et al.			
/E.C./	A126	7,421,572	09/2008	Wolrich et al.			

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
/E.C./	A127	0 130 381	01/1985	Europe				
/E.C./	A128	0 463 855	01/1992	Europe				
/E.C./	A129	0 476 628	03/1992	Europe				
/E.C./	A130	0 863 462	09/1998	Europe				
/E.C./	A131	0 696 772	02/1996	Europe				
/E.C./	A132	2,752,966	03/1998	FR			See A75	

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Foreign Patent Documents or Published Foreign Patent Applications

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/E.C./	A133	WO 92/07335	04/1992	WIPO				
/E.C./	A134	WO 03/019399	03/2003	WIPO				
/E.C./	A135	WO 03/085517	10/2003	WIPO				

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
/E.C./	A136	"IOP Task Switching", <i>IBM Technical Disclosure Bulletin</i> , 33(5):156-158, October 1990.
/E.C./	A137	"HART, Field Communications Protocol, Application Guide", Hart Communication Foundation, pp. 1-74, (1999).
/E.C./	A138	Bowden, Romilly, "What is HART?" Romilly's HART® and Fieldbus Web Site, 3 pages, (1997). <URL: http://www.romilly.co.uk/whathart.htm >
/E.C./	A139	Cogswell, et al., "MACS: a predictable architecture for real time systems", <i>IEEE Comp. Soc. Press, SYMP(12):296-305</i> , (1991).
/E.C./	A140	Fiske et al., "Thread prioritization: a thread scheduling mechanism for multiple-context parallel processors", <i>IEEE Comput. Soc.</i> , pgs. 210-221, (1995).
/E.C./	A141	Hennessy et al., <i>Computer Organization and Design: The Hardware/Software Interface</i> , Morgan Kaufman Publishers, pp. 116-119, 181-182, 225-227, 447-449, 466-470, 476-482, 510-519, 712, (1998).
/E.C./	A142	Heuring et al., <i>Computer Systems Design and Architecture</i> , Reading, MA, Addison Wesley Longman, Inc., pp. 174-176 and 200, (1997).
/E.C./	A143	Heuring et al., <i>Computer Systems Design and Architecture</i> , Reading, MA, Addison Wesley Longman, Inc., pp. 38-40, 143-171, and 285-288, (1997).
/E.C./	A144	Heuring et al., <i>Computer Systems Design and Architecture</i> , Reading, MA, Addison Wesley Longman, Inc., pp. 69-71, (1997).
/E.C./	A145	Hirata, H., et al., "An Elementary Processor Architecture with Simultaneous Instruction Issuing from Multiple Threads", <i>Proc. 19th Annual International Symposium on Computer Architecture, ACM & IEEE-CS, 20(2):136-145</i> , May 1992.
/E.C./	A146	Intel, "IA-64 Application Developer's Architecture Guide", Rev.1.0, pp. 2-2, 2-3, 3-1, 7-165, C-4, and C-23, May 1999.
/E.C./	A147	Jung, G., et al., "Flexible Register Window Structure for Multi-Tasking", <i>Proc. 24th Annual Hawaii International Conference on System Sciences</i> , vol. 1, pp. 110-116, (1991).
/E.C./	A148	Kane, Gerry, <i>PA-RISC 2.0 Architecture</i> , 1995, Prentice Hall PTR, pp. 1-6, 7-13 & 7-14.
/E.C./	A149	Koch, G., et al., "Breakpoints and Breakpoint Detection in Source Level Emulation", <i>Proc. 19th International Symposium on System Synthesis (ISSS '96)</i> , <i>IEEE</i> , pp. 26-31 (1996).
/E.C./	A150	Moors, et al., "Cascading Content-Addressable Memories", <i>IEEE Micro</i> , 12(3):56-66 (1992).
/E.C./	A151	Patterson, et al., <i>Computer Architecture A Quantitative Approach</i> , 2nd Ed., Morgan Kaufmann Publishers, Inc., pp. 447-449, (1996).

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/E.C./	A152	Paver, et al., "Register Locking in an Asynchronous Microprocessor", <i>IEEE</i> , pp. 351-355, (1992).
/E.C./	A153	Philips ED - Philips Components: "8051 Based 8 Bit Microcontrollers, Data Handbook Integrated Circuits, Book IC20", 8051 Based 8 Bit Microcontrollers, Eindhoven, Philips, NL, pp. 5-19 (1991).
/E.C./	A154	Probst et al., "Programming, Compiling and Executing Partially-Ordered Instruction Streams on Scalable Shared-Memory Multiprocessors", <i>Proceedings of the 27th Annual Hawaiian International Conference on System Sciences, IEEE</i> , pp. 584-593, (1994).
/E.C./	A155	Quammen, D., et al., "Flexible Register Management for Sequential Programs", <i>IEEE Proc. of the Annual International Symposium on Computer Architecture</i> , Toronto, May 27-30, 1991, vol. SYMP. 18, pp. 320-329.
/E.C./	A156	Ramsey, N., "Correctness of Trap-Based Breakpoint Implementations", <i>Proc. of the 21st ACM Symposium on the Principles of Programming Languages</i> , pp. 15-24 (1994).
/E.C./	A157	Sproull, R.F., et al., "The Counterflow Pipeline Processor Architecture", <i>IEEE Design & Test of Computers</i> , pp. 48-59, (1994).
/E.C./	A158	Steven, G.B., et al., "ALU design and processor branch architecture", <i>Microprocessing and Microprogramming</i> , 36(5):259-278, October 1993.
/E.C./	A159	Young, H.C., "Code Scheduling Methods for Some Architectural Features in Pipe", <i>Microprocessing and Microprogramming</i> , Elsevier Science Publishers, Amsterdam, NL, 22(1):39-63, January 1988.
/E.C./	A160	Young, H.C., "On Instruction and Data Prefetch Mechanisms", <i>International Symposium on VLSI Technology, Systems and Applications, Proc. of Technical Papers</i> , pp. 239-246, (1995).
/E.C./	A161	Hidaka, Y., et al., "Multiple Threads in Cyclic Register Windows", <i>Computer Architecture News</i> , ACM, New York, NY, USA, 21(2):131-142, May 1993.
/E.C./	A162	Okamoto, K., et al., "Multithread Execution Mechanisms on RICA-1 for Massively Parallel Computation", <i>IEEE - Proc. Of PACT '96</i> , pp. 116-121 (1996).

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